



PROGRAM

Sunday, October 28. Hotel ICC 1F.

16:30-19:00 Registration

Monday, October 29. Auditorium, IBS Science Culture Center 2F.

8:00-9:00	Registration
	Chair: James P. Vary
9:00-9:10	Conference opening
9:10-9:40	Youngman Kim: Daejeon16 NN interaction
9:40-10:10	Ruprecht Machleidt: What is wrong with our current nuclear
	forces?
10:10-10:30	Mario Sánchez: The two-nucleon system within chiral effective
	field theory
10:30-11:00	Coffee break
	Chair: Jerry Draayer
11:00-11:30	Ulf-G. Meißner: Towards nuclear physics as precision science
11:30-12:00	Dean Lee: Applications of lattice effective field theory to nuclear
	forces and structure
12:00-12:30	Andreas Ekström: Statistical analysis and optimization of chiral
	forces
12:30-14:00	Lunch
	$Chair:\ Nadezda\ Smirnova$
14:00-14:30	Thomas Neff: Cluster states in ¹² C and neighboring nuclei
14:30-15:00	Alexander Volya: Interplay of single-particle and cluster degrees
	of freedom in atomic nuclei
15:00-15:30	Yury Tchuvil'sky: Nuclear clustering, step to a supercomputing
	approach
15:30-15:50	Dmitry Rodkin: Ab initio description of one-nucleon resonances
	and halo states in light nuclei
15:50-16:20	Coffee break
	Chair: Thomas Neff
16:20-16:40	Seonghyun Kim: Calculation of ground-state energy for light
	nuclei with the Strutinsky's method
16:40-17:00	Eun Jin In: Nuclear mass table in deformed relativistic continuum
	Hartree-Bogoliubov theory
17:00-17:20	Kyoungsu Heo: Extended optical model analyses of ¹¹ Be+ ¹⁹⁷ Au
	System with dynamical polarization potential
17:20-17:40	Jounghwa Lee: A semi-empirical model for calculating fission
	product yields
19:00	Welcome party

Tuesday, October 30. Auditorium, IBS Science Culture Center 2F.

	Chain III C Maion		
	Chair: Ulf-G. Meißner		
8:30-9:00	Young Kwan Kwon: Status of RAON		
9:00-9:30	Nir Barnea: Ab initio calculation of nuclear structure effects in		
	muonic atoms		
9:30-10:00	Wei Zuo: Three-body force effect on the Properties of nuclear		
	matter		
10:00-10:30	Francesca Sammarruca: Correlations in nuclei and nuclear mat-		
	ter		
10:30-11:00	Coffee break		
	Chair: Ruprecht Machleidt		
11:00-11:30	Esmond G. Ng: Scientific discovery through exascale computing		
11:30-12:00	Kihyeon Cho: Nuclear theory in the 5th supercomputing era		
12:00-12:30	Stefan Wild: Optimization problems in nuclear theory		
12:30-14:00	Lunch		
	Chair: Kimiko Sekiguchi		
14:00-14:30	Witold Nazarewicz: Quantified nuclear density functional theory		
14:30-15:00	Chang Ho Hyun: Novel Framework of Nuclear EDF		
15:00-15:30	Feng Pan: Algebraic solution of the isovector pairing problem		
15:30-16:00	Myung Ki Cheoun: Competence of pairing correlations and de-		
	formation in the nuclear structure		
16:00-16:30	Coffee break		
	Chair: Furong Xu		
16:30-17:00	Chong Qi: Large-scale shell model calculations of heavy nuclei		
17:00-17:30	Ionel Stetcu: Modeling fission dynamics with leadership class		
	computing capabilities		
17:30-18:00	Jun Terasaki: Examination of consistency of QRPA approach to		
	double-beta decay		
	v .		

Wednesday, October 31. Auditorium, IBS Science Culture Center 2F.

	Chair: Francesca Sammarruca
9:00-9:30	Petr Navrátil: Nuclear structure and dynamics from chiral forces
9:30-10:00	Charlotte Elster: Nucleon-nucleus elastic scattering using ab ini-
	tio folding potentials based on NCSM nonlocal one-body densities
10:00-10:30	Bruce R. Barrett: Microscopically calculated shell-model effec-
	tive two-body matrix elements in the sd shell
10:30-11:00	Seung-Woo Hong: Science opportunities with RAON
11:30-13:00	Lunch

13:00-18:00	Excursion		

18:30	Conference dinner	
-------	-------------------	--

Thursday, November 1. Auditorium, IBS Science Culture Center 2F.

8:30-9:00 Kimiko Sekiguchi: Approach to three-nucleon forces via three-and four-nucleon scattering 9:00-9:30 Roman Skibiński: Nucleon-deuteron scattering with chiral semilocal coordinatespace and momentum-space regularized interactions 9:30-10:00 Andreas Nogga: Faddeev-Yakubovsky and Jacobi-no-core-shell model results for light hypernuclei 10:00-10:30 Kacper W. Topolnicki: ³ H and ³ He bound state calculations without angular momentum decomposition 10:30-11:00 Coffee break Chair: Charlotte Elster 11:00-11:30 Rimantas Lazauskas: On the solution of the Faddeev-Yakubovsky equations for five nucleon systems 11:30-12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs-Faddeev model 12:00-12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e ⁺ - H, e ⁻ - H and e ⁺ - He ⁺ 12:30-14:00 Lunch Chair: Dean Lee 14:00-14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30-15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00-15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30-16:00 Shung-Ichi Ando: The S _{E1} factor of radiative alpha capture on ¹² C in cluster effective field theory 16:00-16:30 Coffee break Chair: Witold Nazarewicz 16:30-17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00-17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics 17:30-18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral doublet bands in ¹²⁸ Cs		Chair: Petr Navrátil
9:00–9:30 Roman Skibiński: Nucleon-deuteron scattering with chiral semilocal coordinatespace and momentum-space regularized interactions 9:30–10:00 Andreas Nogga: Faddeev-Yakubovsky and Jacobi-no-core-shell model results for light hypernuclei 10:00–10:30 Kacper W. Topolnicki: ³H and ³He bound state calculations without angular momentum decomposition 10:30–11:00 Coffee break Chair: Charlotte Elster 11:00–11:30 Rimantas Lazauskas: On the solution of the Faddeev-Yakubovsky equations for five nucleon systems 11:30–12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs-Faddeev model 12:00–12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e ⁺ - H, e ⁻ - H and e ⁺ - He ⁺ 12:30–14:00 Lunch Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances Shung-Ichi Ando: The S _{E1} factor of radiative alpha capture on 1 ² C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	8:30-9:00	Kimiko Sekiguchi: Approach to three-nucleon forces via three-
semilocal coordinatespace and momentum-space regularized interactions 9:30–10:00 Andreas Nogga: Faddeev–Yakubovsky and Jacobi-no-core-shell model results for light hypernuclei 10:00–10:30 Kacper W. Topolnicki: 3 H and 3 He bound state calculations without angular momentum decomposition 10:30–11:00 Coffee break Chair: Charlotte Elster 11:00–11:30 Rimantas Lazauskas: On the solution of the Faddeev–Yakubovsky equations for five nucleon systems 11:30–12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs–Faddeev model 12:00–12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+- H, $e^$ H and e^+- He $^+$ 12:30–14:00 Lunch Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral		and four-nucleon scattering
actions 9:30-10:00 Andreas Nogga: Faddeev-Yakubovsky and Jacobi-no-core-shell model results for light hypernuclei 10:00-10:30 Kacper W. Topolnicki: 3 H and 3 He bound state calculations without angular momentum decomposition 10:30-11:00 Coffee break Chair: Charlotte Elster 11:00-11:30 Rimantas Lazauskas: On the solution of the Faddeev-Yakubovsky equations for five nucleon systems 11:30-12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs-Faddeev model 12:00-12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+-H , e^H and e^+-He^+ 12:30-14:00 Chair: Dean Lee Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30-15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00-15:30 Furong Xu: Ab initio calculations of nuclear resonances Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00-16:30 Coffee break Chair: Witold Nazarewicz Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00-17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	9:00-9:30	Roman Skibiński: Nucleon-deuteron scattering with chiral
9:30-10:00 Andreas Nogga: Faddeev-Yakubovsky and Jacobi-no-core-shell model results for light hypernuclei 10:00-10:30 Kacper W. Topolnicki: 3 H and 3 He bound state calculations without angular momentum decomposition 10:30-11:00 Coffee break Chair: Charlotte Elster 11:00-11:30 Rimantas Lazauskas: On the solution of the Faddeev-Yakubovsky equations for five nucleon systems 11:30-12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs-Faddeev model 12:00-12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+- H, $e^$ H and e^+- He ⁺ 12:30-14:00 Lunch Chair: Dean Lee 14:00-14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30-15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00-15:30 Furong Xu: Ab initio calculations of nuclear resonances Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00-16:30 Coffee break Chair: Witold Nazarewicz 16:30-17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00-17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral		semilocal coordinatespace and momentum-space regularized inter-
model results for light hypernuclei Kacper W. Topolnicki: 3 H and 3 He bound state calculations without angular momentum decomposition 10:30–11:00		actions
10:00–10:30 Kacper W. Topolnicki: 3 H and 3 He bound state calculations without angular momentum decomposition 10:30–11:00 Coffee break Chair: Charlotte Elster Rimantas Lazauskas: On the solution of the Faddeev—Yakubovsky equations for five nucleon systems 11:30–12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs–Faddeev model 12:00–12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+- H, $e^$ H and e^+- He $^+$ 12:30–14:00 Lunch Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	9:30-10:00	Andreas Nogga: Faddeev-Yakubovsky and Jacobi-no-core-shell
without angular momentum decomposition 10:30-11:00 Coffee break Chair: Charlotte Elster 11:00-11:30 Rimantas Lazauskas: On the solution of the Faddeev-Yakubovsky equations for five nucleon systems 11:30-12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs-Faddeev model 12:00-12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: $e^+ - H$, $e^ H$ and $e^+ - He^+$ 12:30-14:00 Lunch Chair: Dean Lee 14:00-14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30-15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00-15:30 Furong Xu: Ab initio calculations of nuclear resonances Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00-16:30 Coffee break Chair: Witold Nazarewicz 16:30-17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00-17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral		
10:30–11:00 Coffee break Chair: Charlotte Elster 11:00–11:30 Rimantas Lazauskas: On the solution of the Faddeev–Yakubovsky equations for five nucleon systems 11:30–12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs–Faddeev model 12:00–12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+-H , e^H and e^+-He^+ 12:30–14:00 Lunch Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	10:00-10:30	Kacper W. Topolnicki: ³ H and ³ He bound state calculations
Chair: Charlotte Elster 11:00–11:30 Rimantas Lazauskas: On the solution of the Faddeev–Yakubovsky equations for five nucleon systems 11:30–12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs–Faddeev model 12:00–12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+-H , e^H and e^+-He^+ 12:30–14:00 Lunch Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral		without angular momentum decomposition
11:00–11:30 Rimantas Lazauskas: On the solution of the Faddeev–Yakubovsky equations for five nucleon systems 11:30–12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs–Faddeev model 12:00–12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+- H, $e^$ H and e^+- He $^+$ 12:30–14:00 Lunch Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	10:30-11:00	
Yakubovsky equations for five nucleon systems 11:30–12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs–Faddeev model 12:00–12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+-H , e^H and e^+-He^+ 12:30–14:00 Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral		
11:30–12:00 Alexander K. Motovilov: Unphysical energy sheets and resonances in the Friedrichs–Faddeev model 12:00–12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+-H , e^H and e^+-He^+ 12:30–14:00 $Lunch$ Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics 17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral	11:00-11:30	
nances in the Friedrichs–Faddeev model 12:00–12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+- H, $e^$ H and e^+- He $^+$ 12:30–14:00 Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral		v 1
12:00–12:30 Sergey L. Yakovlev: Ab initio scattering calculation in three-body Coulomb systems: e^+- H, $e^$ H and e^+- He $^+$ 12:30–14:00 $Lunch$ Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	11:30-12:00	
body Coulomb systems: e^+- H, $e^$ H and e^+- He ⁺ 12:30–14:00 Lunch Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral		
Chair: Dean Lee 14:00-14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30-15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00-15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30-16:00 Shung-Ichi Ando: The S _{E1} factor of radiative alpha capture on 12°C in cluster effective field theory 16:00-16:30 Coffee break Chair: Witold Nazarewicz 16:30-17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00-17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	12:00-12:30	
Chair: Dean Lee 14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S _{E1} factor of radiative alpha capture on 12°C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral		· ·
14:00–14:30 Evgeny Epelbaum: High-precision nuclear forces from chiral EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S _{E1} factor of radiative alpha capture on 12°C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	12:30-14:00	
EFT: Where do we stand? 14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on conclusive effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	4400 4400	
14:30–15:00 James P. Vary: No-core shell model with chiral effective field theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S _{E1} factor of radiative alpha capture on 1 ² C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics 17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral	14:00-14:30	
theory interactions 15:00–15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30–16:00 Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	14.90 15.00	
15:00-15:30 Furong Xu: Ab initio calculations of nuclear resonances 15:30-16:00 Shung-Ichi Ando: The S _{E1} factor of radiative alpha capture on 12°C in cluster effective field theory 16:00-16:30 Coffee break Chair: Witold Nazarewicz 16:30-17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00-17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics Noritaka Shimizu: Large-scale shell model calculations and chiral	14:30-15:00	*
15:30–16:00 Shung-Ichi Ando: The S_{E1} factor of radiative alpha capture on 12 C in cluster effective field theory 16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics 17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral	15.00 15.20	v .
16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics 17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral		
16:00–16:30 Coffee break Chair: Witold Nazarewicz 16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics 17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral	15:30-16:00	
16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics 17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral	16.00 16.20	v
16:30–17:00 Luigi Coraggio: Chiral three-body forces and the monopole component of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self-consistent Green's function theory in nuclear physics 17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral	10:00-10:30	***
ponent of effective shell-model hamiltonians 17:00–17:30 Carlo Barbieri: Recent advances for computational self- consistent Green's function theory in nuclear physics 17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral	16:30-17:00	
17:00–17:30 Carlo Barbieri: Recent advances for computational self- consistent Green's function theory in nuclear physics 17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral	10.50 17.00	
consistent Green's function theory in nuclear physics 17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral	17:00-17:30	-
17:30–18:00 Noritaka Shimizu: Large-scale shell model calculations and chiral	1	1
	17:30-18:00	,
uoudici danud iii — Co		doublet bands in ¹²⁸ Cs
doublet bands in ****(Cs	17:30-18:00	Noritaka Shimizu: Large-scale shell model calculations and chiral

Friday, November 2. Conference Room, IBS Science Culture Center 2F.

	Chaine Alamandan Value
0.00.000	Chair: Alexander Volya
8:30-9:00	Tobias Frederico: The relativistic dynamics in Minkowski space:
0.00.000	exploring hadron structure
9:00-9:30	Vladimir Karmanov: Bound states of relativistic origin
9:30-10:00	Xingbo Zhao: Light-front approach to a chiral nucleon-pion La-
	grangian
10:00-10:30	Chandan Mondal: Basis light-front quantization approach for
	the nucleon
10:30-11:00	Coffee break
	Chair: Nir Barnea
11:00-11:30	Mark A. Caprio: Predictions for nuclear rotational structure
	from ab initio calculations
11:30-12:00	Gaute Hagen: A solution to the puzzle of quenched beta-decays
12:00-12:30	Nadezda Smirnova: Isospin-symmetry breaking correction to
	Fermi beta-decay
12:30-14:00	Lunch
	$Chair:\ Esmond\ G.\ Ng$
14:00-14:30	Jerry Draayer: Symmetry adapted no-core shell-model calcula-
	tions for probing the structure of atomic nuclei
14:30-15:00	Anna McCoy: Convergence in the ab initio symplectic no-core
	configuration interaction framework
15:00-15:30	Takashi Abe: No-core Monte Carlo shell model calculations with
	Daejeon 16 NN interaction
15:30-16:00	Kevin Fossez: Neutron-rich helium isotopes: complex made sim-
	ple
16:00-16:30	Coffee break
	Chair: Youngman Kim
16:30-17:00	Alexander I. Mazur: Description of continuum states within
	no-core shell model. Single-state HORSE method
17:00-17:30	Igor A. Mazur: Elastic $n-6$ He scattering and 7 He resonant states
	in single-state HORSE method
17:30-18:00	Andrey Shirokov: Tetraneutron resonance
18:00-18:10	Conference closing